DEGSON

Overview

Product information



DPS1-WI-240W-D24-02Z(H)-30080000060

Single-phase 240W Wide Input DIN rail power supplies Output rated voltage：24V Input voltage range：180 ~ 550VAC 254 ~780VDC Input frequency range：47~63Hz

Product advantages

☑ Single or Two Phase Ultra Wide Input Range 180~550VAC
☑ Built-in Active PFC Circuit
☑ Built-in DC OK Contact
☑ Protection: Short Circuit/Overload/Over Voltage/Over Temperature
☑ Bulit-in Constant Current Limiting Circuit
☑ High Efficiency 91% and Lower Power Dissipation
☑ Three Years Warranty

Product certification

CE c UL us LISTED

Technical data

Product drawing

3D model

Input parameter

Input voltage range	180~550VAC, 254~780VDC
Input frequency range	47~63Hz
Input current	1A/400VAC, 2A/230VAC
Impulse current	COLD START50A
Power consumption	6W
Connection mode	Terminal blocks

Mechanical parameter

Size	63×113.5×125mm
DC OK contact	60VDC 0.3A, 30VDC 1A, 30VAC 0.5A resistive load
Weight	1kg
Shell material	Metal
DC light	OK

Environmental parameter

Working temperature	-30~+70℃（Refer to"Derating Curve"）
Storage temperature	-40°C ~ + 85°C
Storage humidity	10~95%RH
Working humidity	20~95%RH non-condensing
Vibration test	Component: 10 ~500Hz, 2G 10min./1cycle, 60min. each alongX,Y, Z axes; Mounting clip: Compliance to IEC60068-2-6.
Operational altitude	2000m

Security parameter

Overvoltage protection	29~33V
Overvoltage protection type	Protection type：Shut down o/p voltage, auto-recovery after 1 minute if the fault condition is removed
Overheat protection	90 ℃±5℃ (TSW) detect on heat sink of power switch.Protection type : Shut down o/p voltage, recovers automatically after temperature goes down
Mean time between failures	900K hrs min. Telcordia SR-332 (Bellcore)
Overcurrent protection range	105 ~ 130% rated output power Protection type : Constant current limiting, unit will shut down after 3 sec,, auto-recovery after 1 minute if the fault condition is removed
Short circuit protection	Self-recovery
Safety standard	UL61010-1,UL61010-2-201,BS EN/EN62368-1

Output parameter

Output efficiency	0.91
Output rated voltage	24V
Range of output voltage	24~28V
Output rated current	10A
Rated power	240W
Voltage ripple (20MHz)	150 mVp-p
Setup , Rise time	800ms, 150ms/400VAC（at full load) 1500ms, 150ms/230VAC（at full load)
Line regulation	±0.5%
Load regulation	±1.0%
Coefficient of temperature drift	±0.03%/℃(0~50℃)
Power-down hold time	18ms/400VAC（at full load) 18ms/230VAC（at full load)
Switching frequency	50Khz~80Khz
Connection mode	Terminal blocks
Leakage current	<3.5mA/530VAC

Accessories

Business data

Order number	30080000060
Packing unit	1 SKT
Minimum order quantity	1 SKT
Products weight (without packaging)	1kg